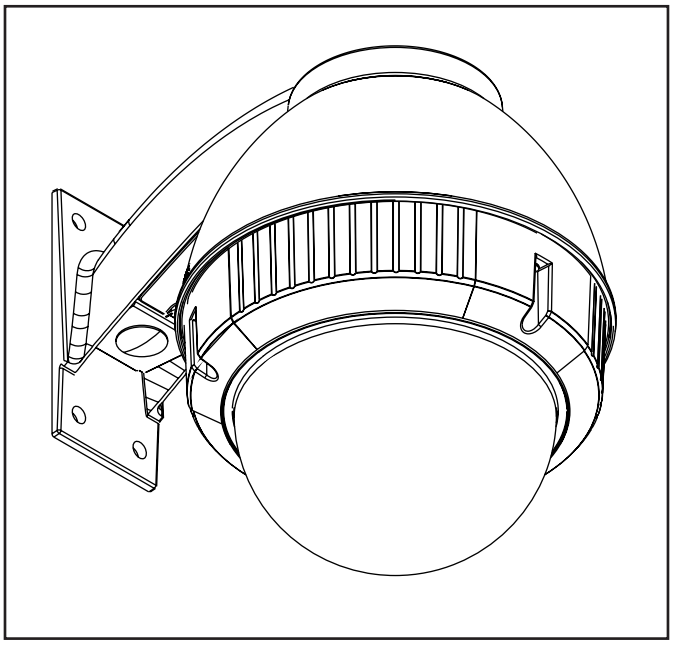
Installation Instructions

Outdoor Domed Housings

POD9C(W)/POD9CF(W)



Manufactured By:

Videolarm for Panasonic®

Before attempting to connect or operate this product,
please read these instructions completely.

81-IN3079
6/8/05

IMPORTANT SAFEGUARDS

1. **Read Instructions -** All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions -** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings -** All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions -** All operating and user instructions should be followed.
5. **Electrical Connections -** Only a qualified electrician should make electrical connections.
6. **Attachments -** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs -** All cable runs must be within permissible distance.
8. **Mounting -** This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:

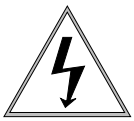
   a. The installation should be made by a qualified service person, and should conform to all local codes.

   b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK!

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE COMPONENTS TO WATER OR MOISTURE.



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

SERVICE

For service on Panasonic/Videolarm equipment contact:

Panasonic Technical Center
54 West Gude Dr.
Rockville MD 20850-1150

Phone: 301-762-5125
Fax: 301-251-0347

PANASONIC TECHNICAL SUPPORT

1-800-528-6747
9:00 AM - 5:00 PM EASTERN TIME

ELECTRICAL SPECIFICATIONS (OUTDOOR ONLY):

Power 24VAC, Class 2 Only

52 watts at 24 VAC (Heater & Blower) Accessory Power
Heater: 50 watts
Blower: 1.7 watts
13 watts Camera Power (models WV-CS954 & WV-CS574)
Input Connectors (outdoor units):

- BNC
- (2) 4 position Molex connectors (power)
- (1) Phone style plug (control)

NOTE: This unit is designed for operation in an upright position. Installing the unit upside down may cause damage to the internal equipment, and will void the warranty.

GENERAL INSTRUCTIONS FOR MOUNTING HOUSING

INSTALLING THE HOUSING ASSEMBLY FOR WALL MOUNT POD9CW/POD9CFW

1. A wall mount bracket comes standard with this unit, and a template is included to use as a guide for mounting the bracket to a wall. Choose the desired location for installation and mark the drill holes using the template.
   NOTE: Be sure the hardware and the mounting surface can support the weight of the wall mount bracket plus the weight of the housing and drive unit. The load will be subjected to vibration from the camera motor and wind.

2. The wall mount bracket provided with the POD9CW includes a location for conduit entry. If you wish to install conduit to the bracket remove the conduit hole plug. Install fitting from below the wall mount and secure with conduit nut from inside the bracket.

3. Open the access door on the bottom of the wall mount by loosening the screw nearest the mounting plate (Figure 1).

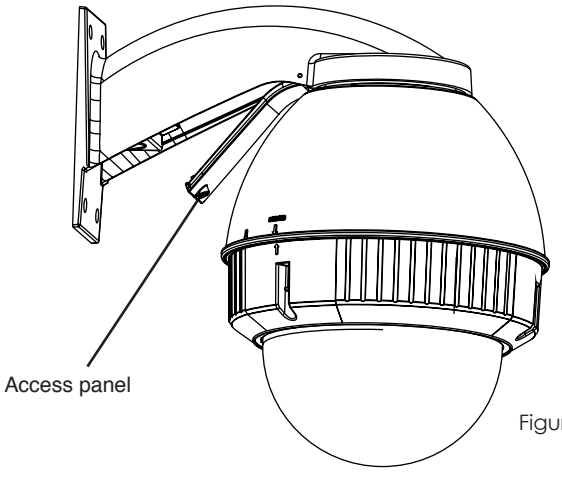


Figure 1

4. Attach the wires from the wall to the connector provided, using the wiring color code chart as a guide.

5. Once all wiring connections are made, place the wires inside the wall mount bracket and close the access door. Secure with the screw removed earlier.

6. Clean the outside of the dome.

INSTALLING PENDANT MOUNT (POD9CW/POD9CFW)

1. This unit includes a 1 1/2" NPT coupling for a standard 1 1/2" NPT pipe. The POD9 can be used with other brackets designed with 1 1/2" male pipe threads, such as the Panasonic PWM20G and PWM30G wall mount brackets.

2. Attach the housing coupling (Figure 2).
   NOTE: Pipe threads should be clean and rust free. Use a sealer (such as Teflon™ tape or silicone sealer) on the threads.

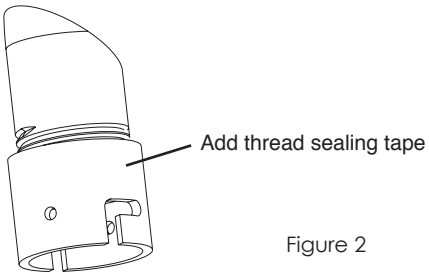


Figure 2

1. Mount the housing assembly to the mounting bracket and housing coupling. A safety cable is included with the housing to temporarily hold it while making wiring connections. Loop the safety cable over one of the set screws on the housing coupling and make the appropriate connections using the wiring chart supplied on Page 4.

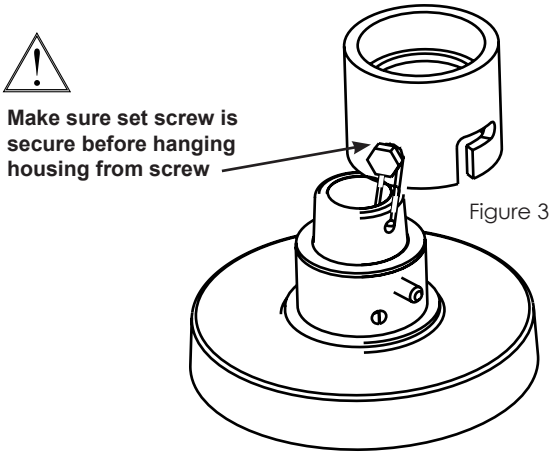


Figure 3

2. Upon completing wiring, undo the safety cable and twist the housing onto the housing coupling. Secure all (3) setscrews provided on the housing coupling (Figure 4).

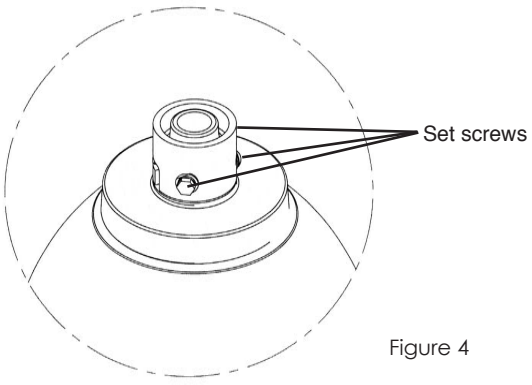


Figure 4

3. Clean the outside of the dome.

WJ-HD316A
WU-CU650
Wiring Color Code
Power and Control Inputs

POD9C
CONNECTOR A
CAMERA POWER [13 watts WV-CS954 / WV-CS574]

1	24 VAC Live	Black
2	24 VAC Live	White
3	Green	Green
4	Not Used	

CONNECTOR B
ACCESSORY POWER [52 watts Heater/Blower]

1	24 VAC Live	Red
2	24 VAC Live	White
3	Green	Green
4	Not Used	

Pan/Tilt Unit Only

CONTROL

1	Ground	Brown
2	TXB (RS485)	Red
3	TXA (RS485)	Orange
4	RXB (RS485)	Yellow
5	RXB (RS485)	Green

ALARM IN (8-pin)

1	Alarm In 1	Black
2	Ground	Brown
3	Alarm In 2	Red
4	Ground	Orange
5	Alarm In 3	Yellow
6	Ground	Light blue or green
7	Alarm In 4	Blue
8	Ground	Purple

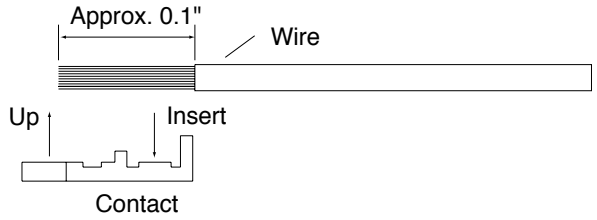
ALARM OUT (4-pin)

1	Alarm Out 1	Gray
2	Ground	White
3	Alarm Out 2	Pink
4	Ground	Yellow, Green, or Light blue

CAUTION: For lightning protection of the camera and heater/blower, the pin 3 of the connector must be connected to real electrical ground.

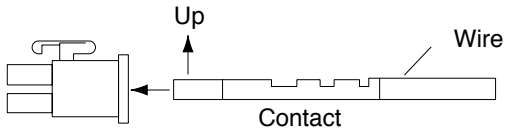
HOW TO ASSEMBLE THE CONNECTOR

• Strip back the cable jacket approximately 0.1 inch (3 mm) and separate the individual conductors.



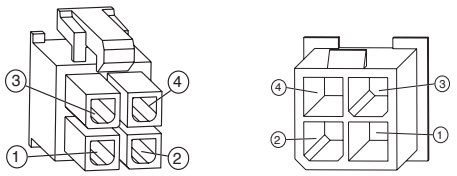
Prepare the individual conductors for clamping. If clamping, use Molex brand tool part number 57027-5000 (for UL-listed-style cable UL1015) or 57026-5000 (for UL-listed-style cable UL1007).

After clamping the contacts, push them into the proper holes in the connector housing until they snap in place.



CAUTIONS

- Shrinking the cable-entry seal is a onetime procedure. Do not shrink the cable-entry seal until it has been determined that the unit is functioning.
- **CONNECT THIS TO A 24 VAC CLASS 2 POWER SUPPLY ONLY.**



CAUTION: TO PREVENT FIRE OR SHOCK HAZARD, THE UL-LISTED WIRE VW-1, STYLE 1007, SHOULD BE USED FOR THE CABLE FOR 24 VAC INPUT TERMINALS.

OPERATING DISTANCES

Awg Size	Impedance	Max Distance
Awg #12	1.71 ohm/1000 ft.	440 ft.
Awg #14	2.73 ohm/1000 ft.	270 ft.
Awg #16	4.35 ohm/1000 ft.	170 ft.
Awg #18	6.92 ohm/1000 ft.	100 ft.

INSTALLING QUICK RELEASE BRACKET AND PAN/TILT CAMERA ASSEMBLY (ALL MODELS)

1. Open the housing by loosening the (3) screws on the dome trim ring (Figure 1). Note the arrows and the word "Locked" on the side of the housing and trim ring. Rotate the trim ring until the bottom arrow aligns with the second top arrow, then pull the dome and trim ring off.

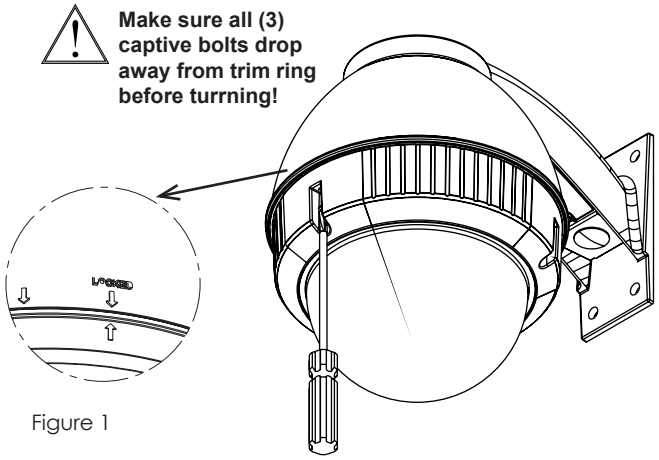


Figure 1

2. Install the pan/tilt unit quick- release bracket. **It is recommended that this be done before installing the housing**.

INSTALLATION FOR WV-CS954 UNITIZED CAMERA

1. Connect the quick-release bracket to the spacers using the (4) 8 x 32 x 1/2" bolts and #8 star washers to the top of the spacers as shown (Figure 1a).

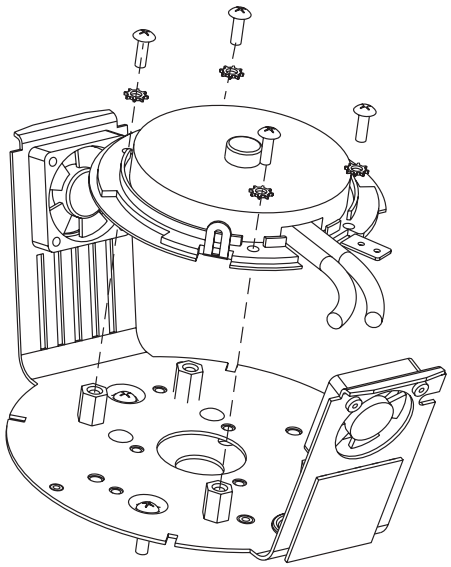


Figure 1a

2. Attach the unitized camera to the quick-release bracket. Secure the safety screw (Figure 2). Connect the BNC, power, control, and alarm cables. Make sure all wiring is clear of the blowers and heater on the housing bracket. Use the cable tie provided to secure the wires and connectors.

INSTALLATION FOR WV-CS574 UNITIZED CAMERA

1. Installation for WV-CS574 Unitized Camera. Add additional 1" spacers (from packet assembly) to the existing spacer already installed in housing. Connect he quick release bracket using the (4) 8x32x1/2 bolts and #8 star washers (Figure 1b).

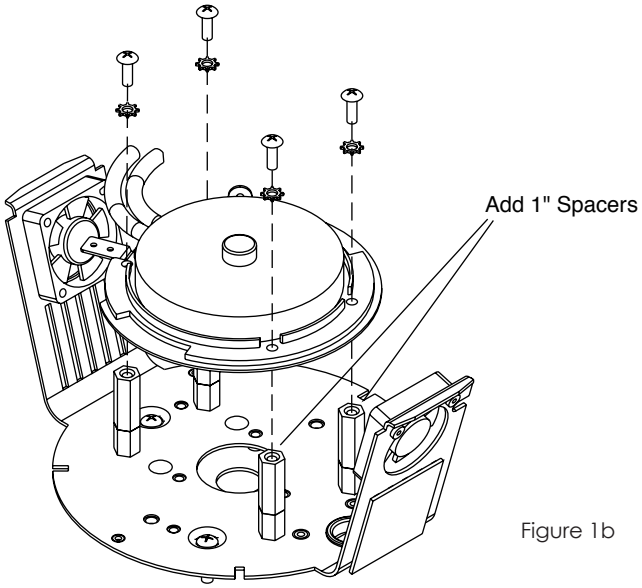


Figure 1b

2. Attach the unitized camera to the quick-release bracket. Secure the safety screw (Figure 2). Connect the BNC, power, control, and alarm cables. Make sure all wiring is clear of the blowers and heater on the housing bracket. Use the cable tie provided to secure the wires and connectors.

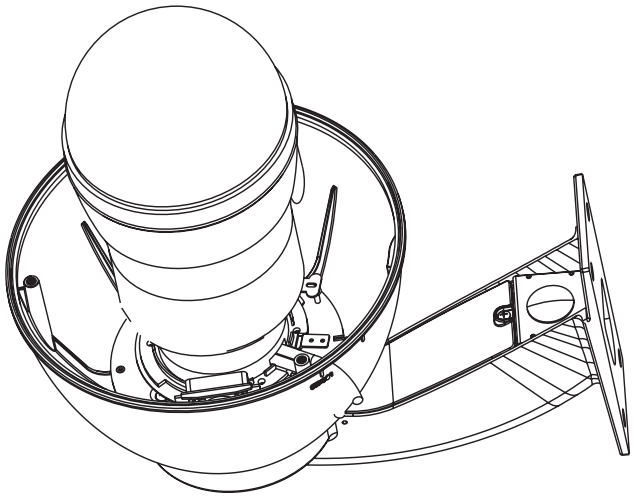


Figure 2

INSTALLING FIXED CAMERA BRACKET (ALL MODELS)

1. Loosen the two pan adjustment screws and rotate the bracket to the desired viewing location.

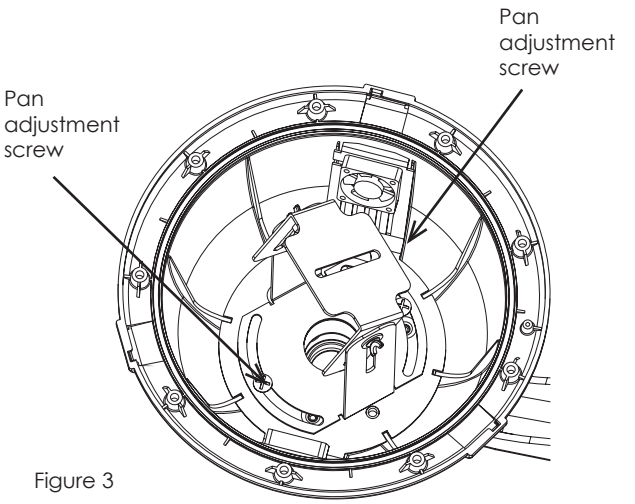


Figure 3

2. Tilt and height adjustments can be made using the two screws located on the upper portion of the fixed camera bracket. Loosening the screws allows the bracket itself to slide up and down the bracket arms (height adjustment) and back and forth on the camera bracket (tilt). Adjust to the desired location (Figure 4).

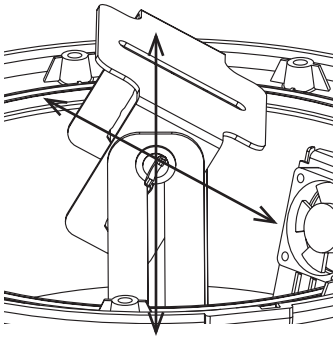


Figure 4

3. The camera can also be adjusted back and forth via the slot located on the bottom of the bracket (Figure 5).

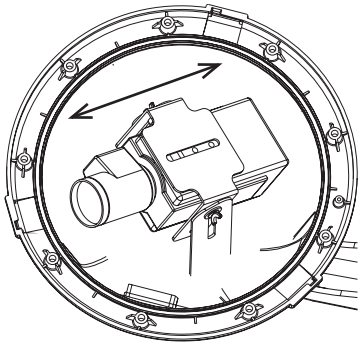


Figure 5

NOTE: A 90˚ BNC connector is included in the packet to assist in fitting the camera (Figure 6).

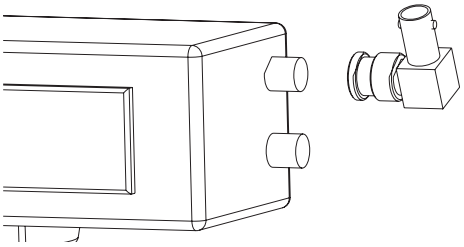


Figure 6

4. Attach the camera to the bracket using the 1/4-20 hex bolt provided. Make final adjustments and lock down the pan, tilt, and height adjustment screws (Figure 7).

IMPORTANT NOTE: Put the dome in place to assure the camera does not touch it. To reattach the dome you must twist it, if the dome comes in contact with the camera its position could change.

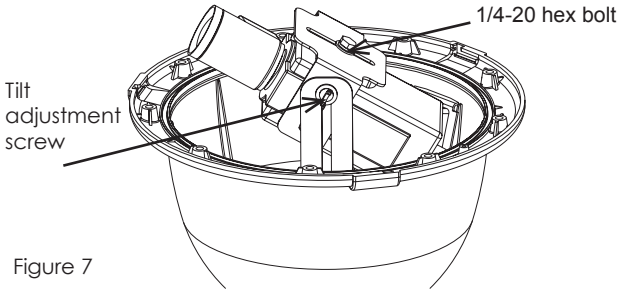
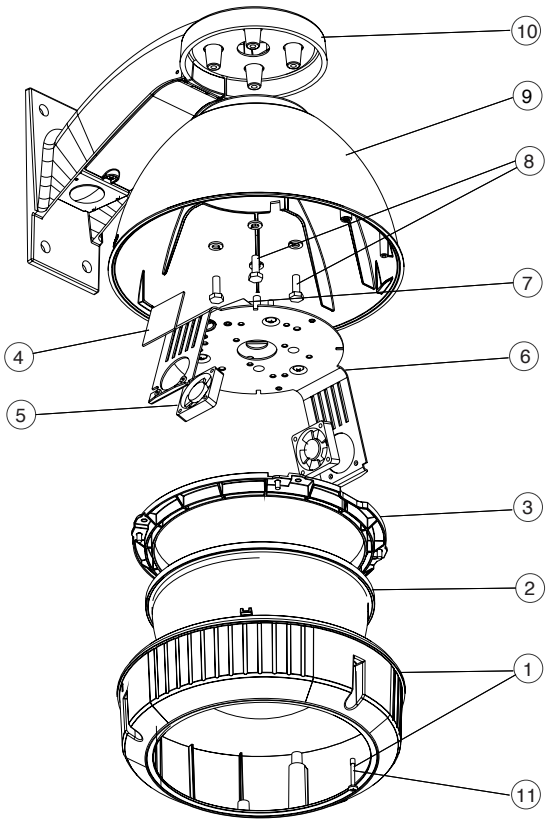


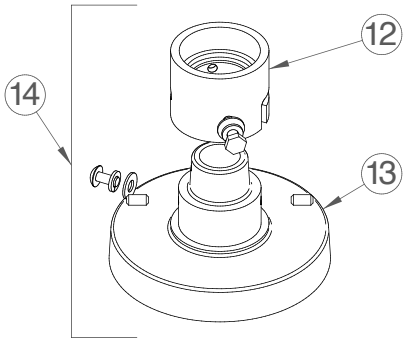
Figure 7

EXPLODED VIEWS OF HOUSING

Wall Mount Assembly

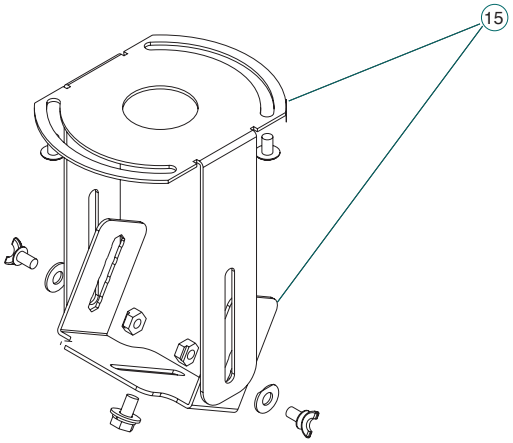
Item No.	Description	Part No.
1	Lower Trim Ring	RPPOD01
2	Tinted Replacement Capsule Clear Replacement Capsule	RCPOD9T RCPOD9C
3	Dome Clamping Bracket	RPFD703
4	24vac Heater	RPFD072
5	(12vdc) Blower (Used In 24v Hgs)	RPFD080
6	Camera Bracket Camera Bracket (Fixed Models Only)	RPFD060 RPRH708
7	Connection PCB Connection PCB (Fixed Models)	RPFD050 (Model POD9CW) RPRH706 (Model POD9CFW)
8	Housing Hardware	RPFD040
9	Housing Top	RPPOD08
10	Panasonic Wall Mount	PWM10
11	Captive Hardware (3 Pcs)	RPPOD09





Pendant Coupling Assembly

12	Quick Release Pipe Coupling	SD0170
13	Pendent Housing Coupling	RPPOD10
14	Pendent Mount Bracket	RPPOD11



Fixed Bracket Assembly

15	POD9CF Fixed Bracket	RPRH713
N/S	Packet Assembly POD9CF(W)	RPPKPOD9F
	Packet Assembly POD9C(W)	RPPKPOD9

Mounting Template